

## Heineken: TenCan



## Heineken TenCan scoops up awards

Development of grip and container by BPO

**The Heineken TenCan has recently been awarded two prestigious awards: the Deutscher Verpackungspreis 2007 (German Packaging Award) and a Worldstar for Packaging. The one-way beer keg with a content volume of ten litres for the semi-professional market distinguished itself by its innovative design, ease of use and remarkable styling. BPO has engineered and optimised the steel container as well as the plastic grip, naturally in close cooperation with Heineken. Impress and Helvoet produce the parts.**

Maybe the biggest challenge was the development of the container, which has to be able to handle an inside pressure of 5 bar. The experts of BPO have given the bottom and top an optimal curvature. That way material use and costs could be reduced, without making any concessions to the performance. Together with an amount of expansion of the cylindrical part of the container during production not seen before, this resulted in a very strong but light keg.

The development of the plastic grip was also a real work of art. Different functions are combined in one part: naturally the beer keg can be lifted with the grip, but the grip also provides the capability to stack the kegs and it functions as a storage space for the tube with which the keg is broached. This part was optimised before the mould was made with extensive and advanced FEM-analyses. This way the finished product met with the strict strength and stiffness requirements from the outset. This part has been developed by the engineers of BPO, from the concept sketches until a mould-ready CAD-model complete with tolerance calculations.

The Heineken TenCan can be used in both the David draught system and the Xtreme Draught mobile system. The TenCan is currently being sold to small-scale cafes and restaurants in Italy.